Fig.1

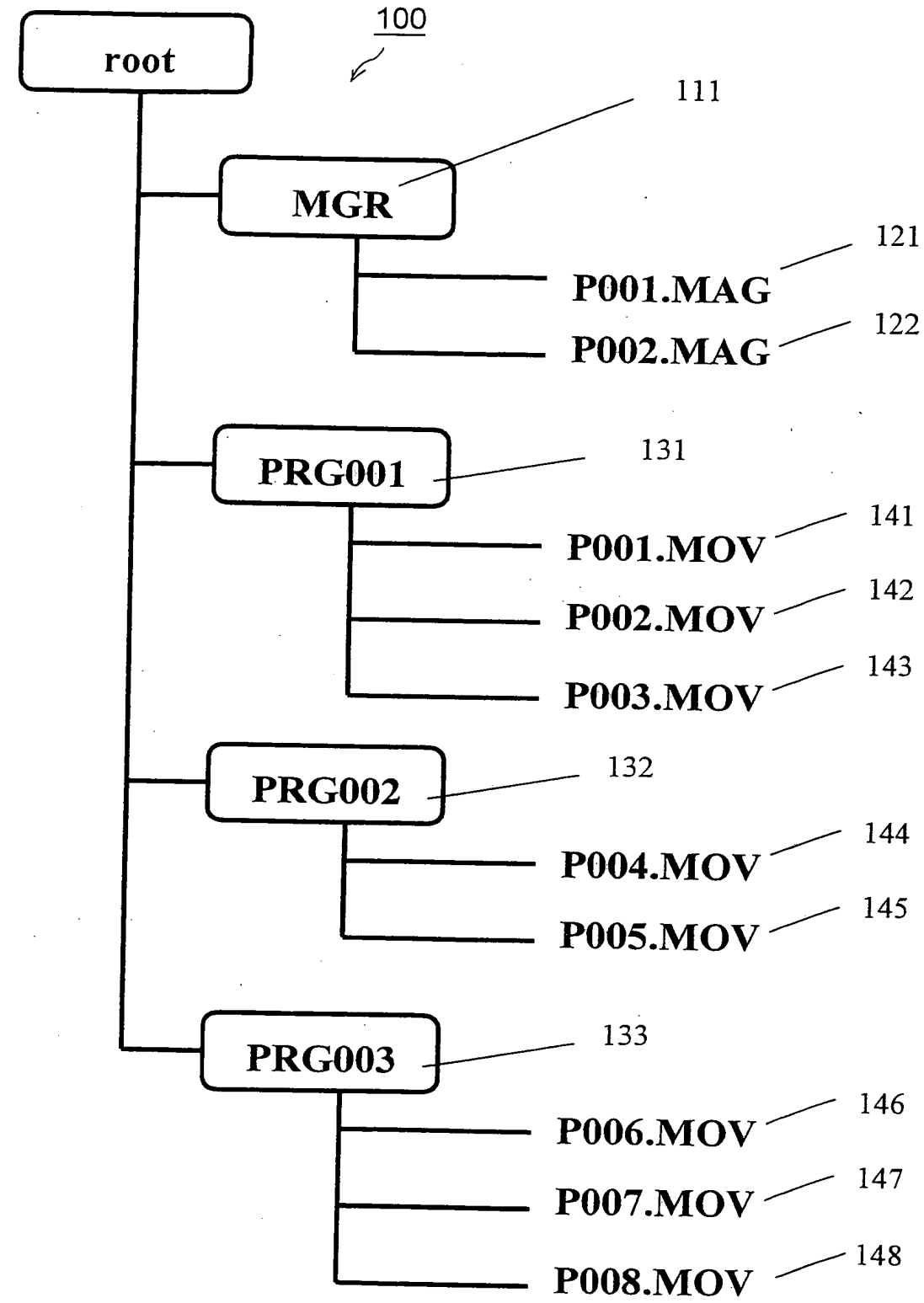

root
100
111
MGR
121
P001.MAG
122
P002.MAG
PRG001
131
141
P001.MOV
142
P002.MOV
143
P003.MOV
PRG002
132
144
P004.MOV
145
P005.MOV
PRG003
133
146
P006.MOV
147
P007.MOV
148
P008.MOV

Fig.2

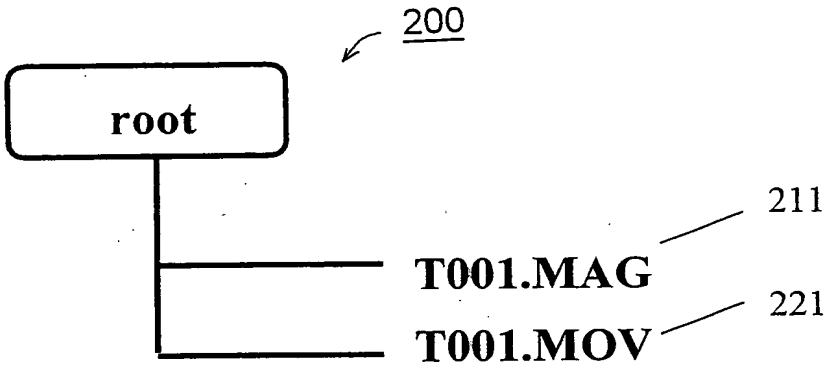


Fig.3

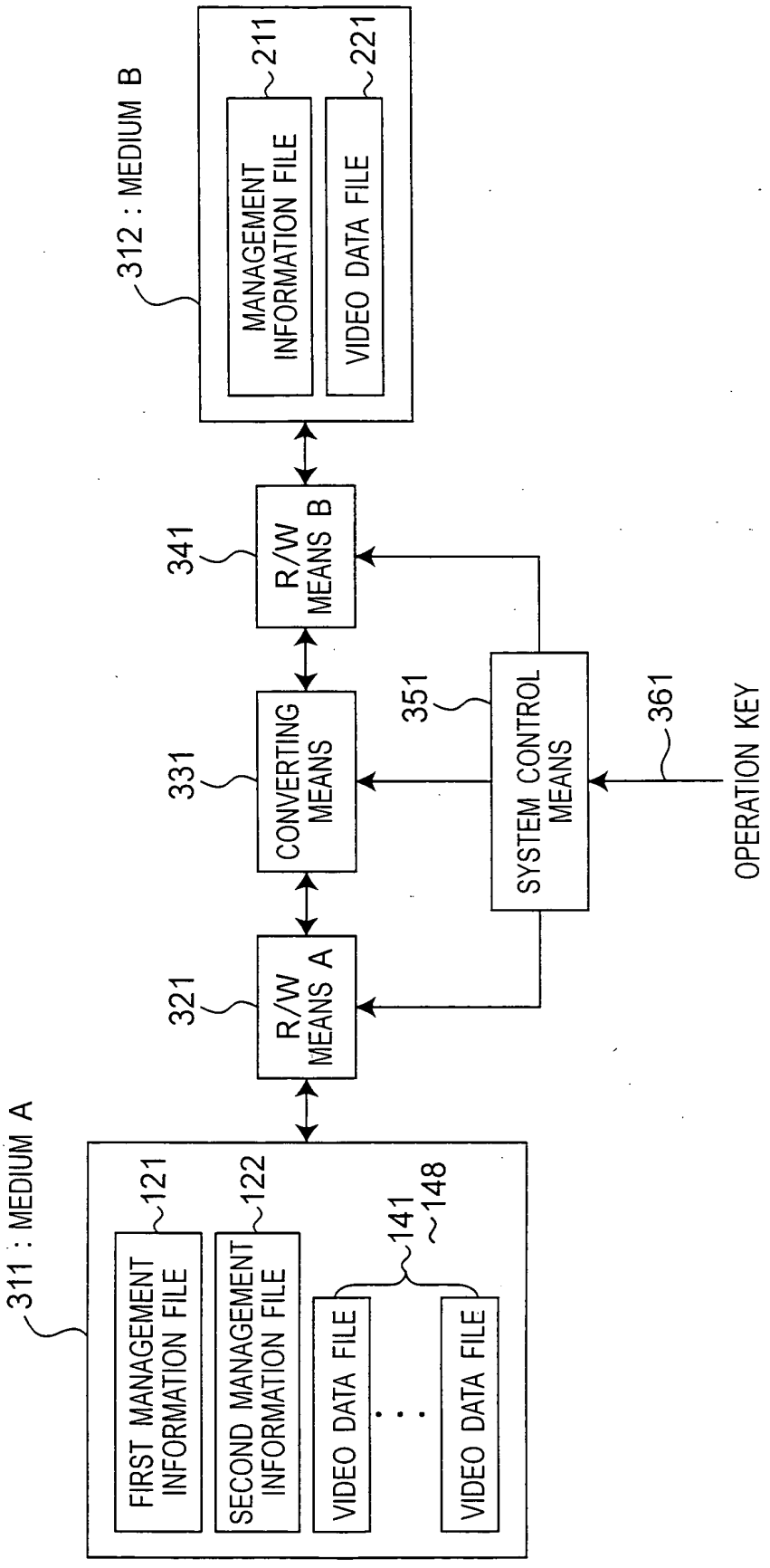
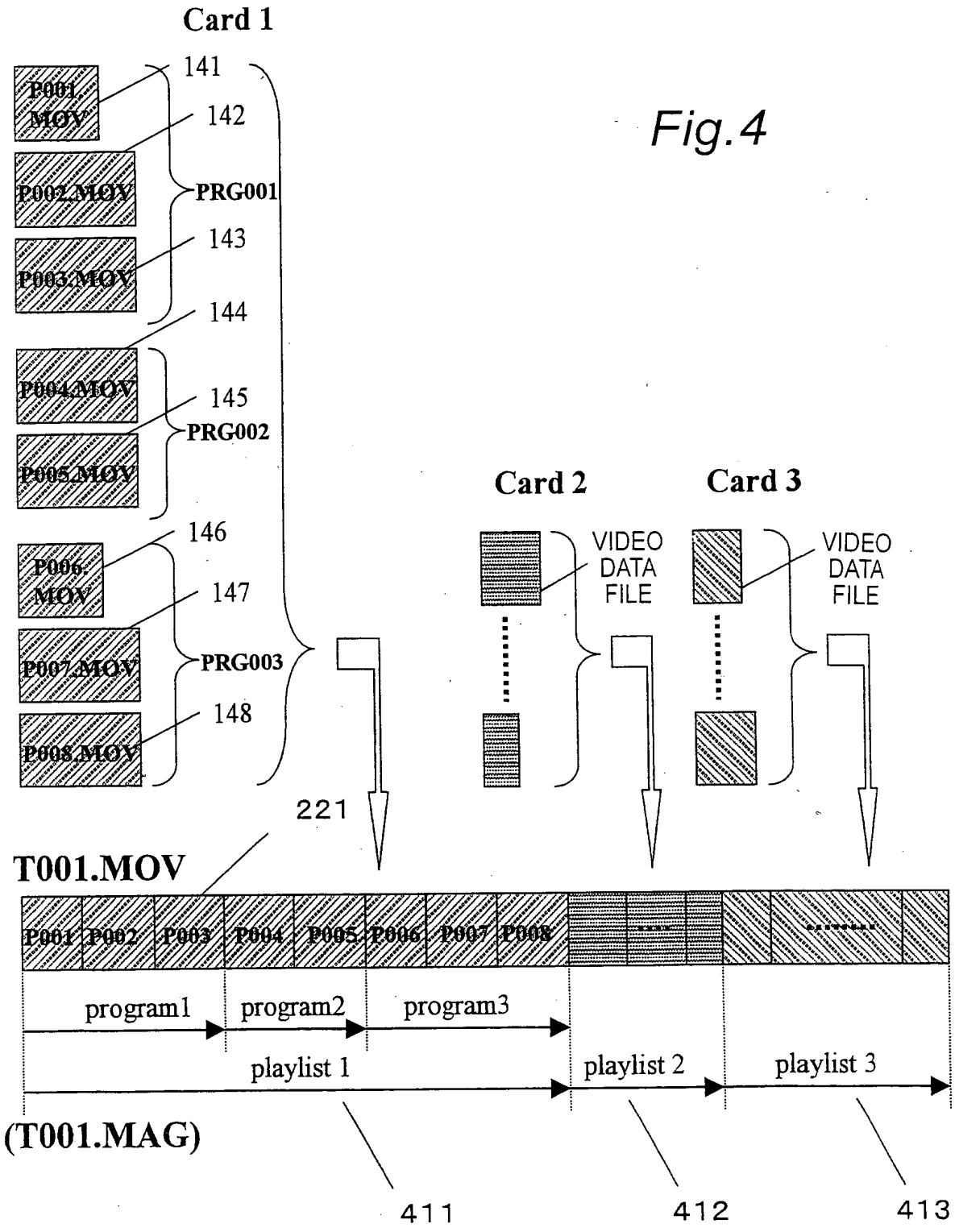

311 : MEDIUM A
FIRST MANAGEMENT INFORMATION FILE
121
SECOND MANAGEMENT INFORMATION FILE
122
VIDEO DATA FILE
141
VIDEO DATA FILE
148
321
R/W MEANS A
331
CONVERTING MEANS
341
R/W MEANS B
351
SYSTEM CONTROL MEANS
361
OPERATION KEY
312 : MEDIUM B
MANAGEMENT INFORMATION FILE
211
VIDEO DATA FILE
221

Fig.4



BEST AVAILABLE COPY

Fig.5

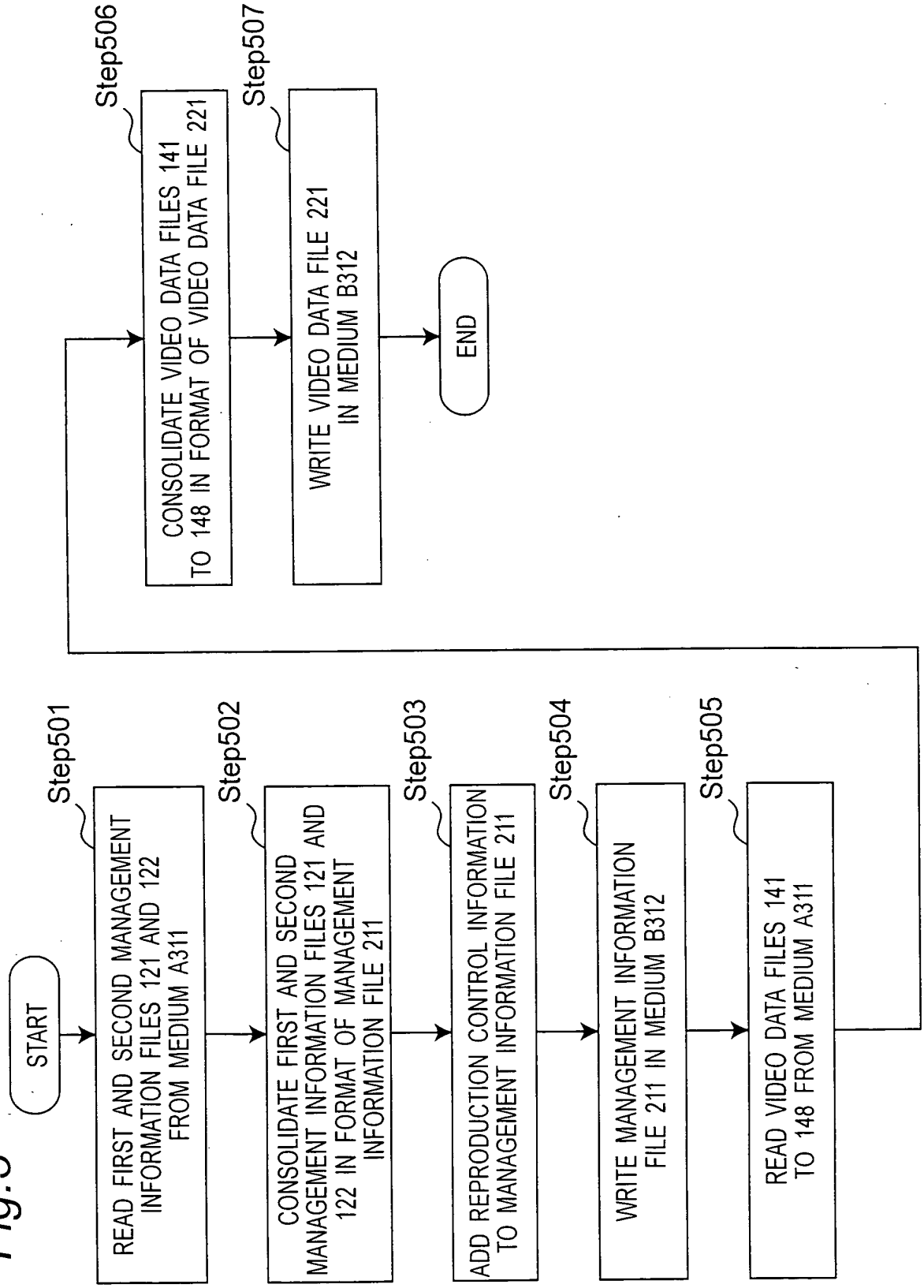

START
Step501
READ FIRST AND SECOND MANAGEMENT INFORMATION FILES 121 AND 122 FROM MEDIUM A311
Step502
CONSOLIDATE FIRST AND SECOND MANAGEMENT INFORMATION FILES 121 AND 122 IN FORMAT OF MANAGEMENT INFORMATION FILE 211
Step503
ADD REPRODUCTION CONTROL INFORMATION TO MANAGEMENT INFORMATION FILE 211
Step504
WRITE MANAGEMENT INFORMATION FILE 211 IN MEDIUM B312
Step505
READ VIDEO DATA FILES 141 TO 148 FROM MEDIUM A311
Step506
CONSOLIDATE VIDEO DATA FILES 141 TO 148 IN FORMAT OF VIDEO DATA FILE 221
Step507
WRITE VIDEO DATA FILE 221 IN MEDIUM B312
END

Fig.6

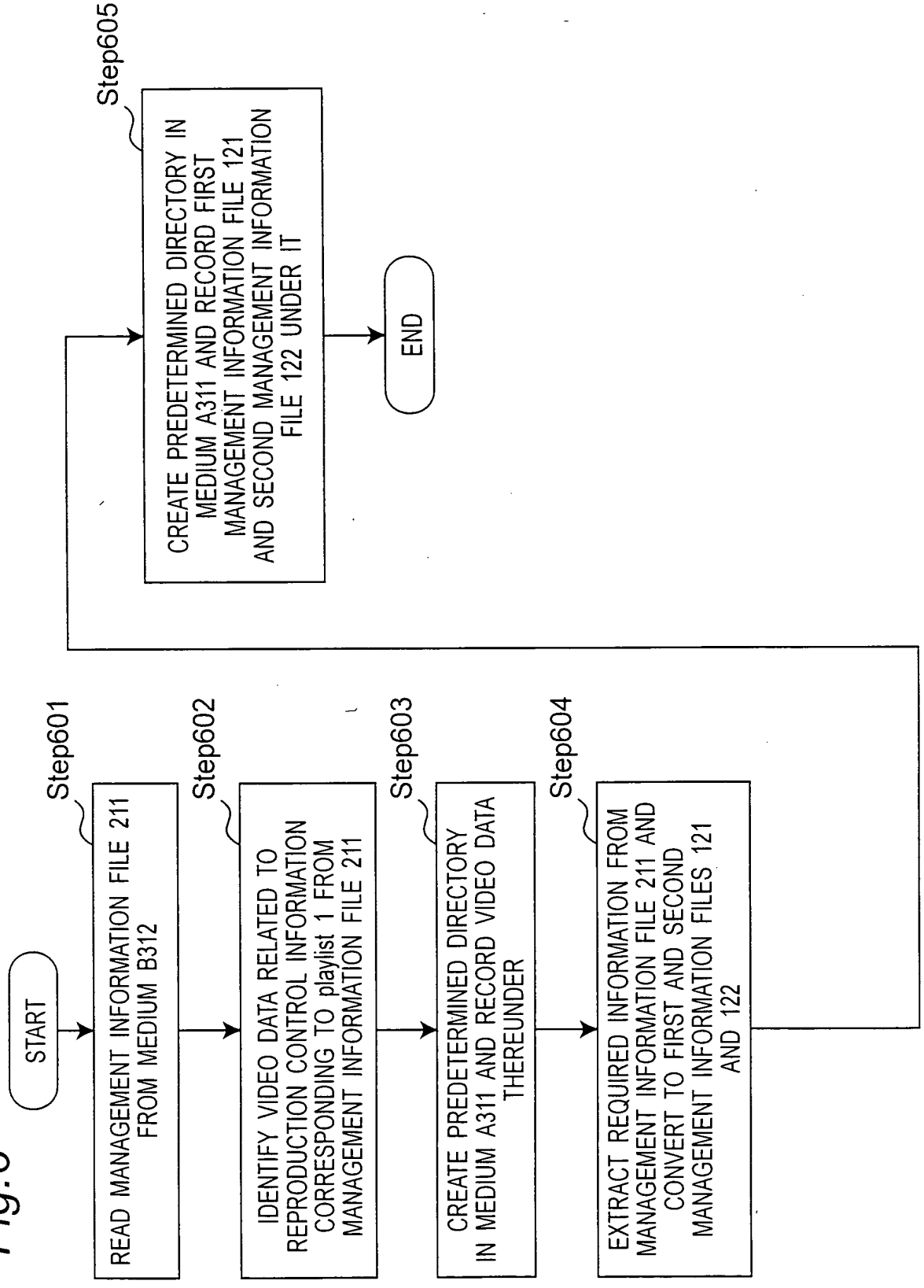

START
Step601
READ MANAGEMENT INFORMATION FILE 211 FROM MEDIUM B312
Step602
IDENTIFY VIDEO DATA RELATED TO REPRODUCTION CONTROL INFORMATION CORRESPONDING TO playlist 1 FROM MANAGEMENT INFORMATION FILE 211
Step603
CREATE PREDETERMINED DIRECTORY IN MEDIUM A311 AND RECORD VIDEO DATA THEREUNDER
Step604
EXTRACT REQUIRED INFORMATION FROM MANAGEMENT INFORMATION FILE 211 AND CONVERT TO FIRST AND SECOND MANAGEMENT INFORMATION FILES 121 AND 122
Step605
CREATE PREDETERMINED DIRECTORY IN MEDIUM A311 AND RECORD FIRST MANAGEMENT INFORMATION FILE 121 AND SECOND MANAGEMENT INFORMATION FILE 122 UNDER IT
END

Fig.7

	DATA ITEM	DATA	
0x0000	⋮		
	⋮		
	NUMBER OF PIECES OF REPRODUCTION CONTROL INFORMATION	3	
	STARTING ADDRESS OF REPRODUCTION CONTROL INFORMATION TABLE #1	0x1100	
	STARTING ADDRESS OF REPRODUCTION CONTROL INFORMATION TABLE #2	0x1160	
	STARTING ADDRESS OF REPRODUCTION CONTROL INFORMATION TABLE #3	0x1200	
0x1100	NUMBER OF PROGRAMS	3	411 Playlist 1
	NUMBER OF VIDEO SECTIONS	8	
	TEXT INFORMATION OF PROGRAM #1	PRG001	
	NUMBER OF VIDEO SECTIONS OF PROGRAM #1	3	
	TEXT INFORMATION OF PROGRAM #2	PRG002	
	NUMBER OF VIDEO SECTIONS OF PROGRAM #2	2	
	TEXT INFORMATION OF PROGRAM #3	PRG003	
	NUMBER OF VIDEO SECTIONS OF PROGRAM #3	3	
	VIDEO DATA INFORMATION ADDRESS OF VIDEO SECTION #1	0x0300	
	REPRODUCTION STARTING TIME OF VIDEO SECTION #1	0:00:00	
	REPRODUCTION ENDING TIME OF VIDEO SECTION #1	0:02:40	
	VIDEO DATA INFORMATION ADDRESS OF VIDEO SECTION #2	0x0330	
	REPRODUCTION STARTING TIME OF VIDEO SECTION #2	0:00:00	
	REPRODUCTION ENDING TIME OF VIDEO SECTION #2	0:02:40	
	⋮		
	⋮		
	VIDEO DATA INFORMATION ADDRESS OF VIDEO SECTION #8	0x0450	
	REPRODUCTION STARTING TIME OF VIDEO SECTION #8	0:00:00	
	REPRODUCTION ENDING TIME OF VIDEO SECTION #8	0:03:20	
0x1160	NUMBER OF PROGRAMS	3	412 Playlist 2
	NUMBER OF VIDEO SECTIONS	2	
	⋮		
	⋮		
0x1200	NUMBER OF PROGRAMS	2	413 Playlist 3
	NUMBER OF VIDEO SECTIONS	3	
	⋮		
	⋮		

Fig.8

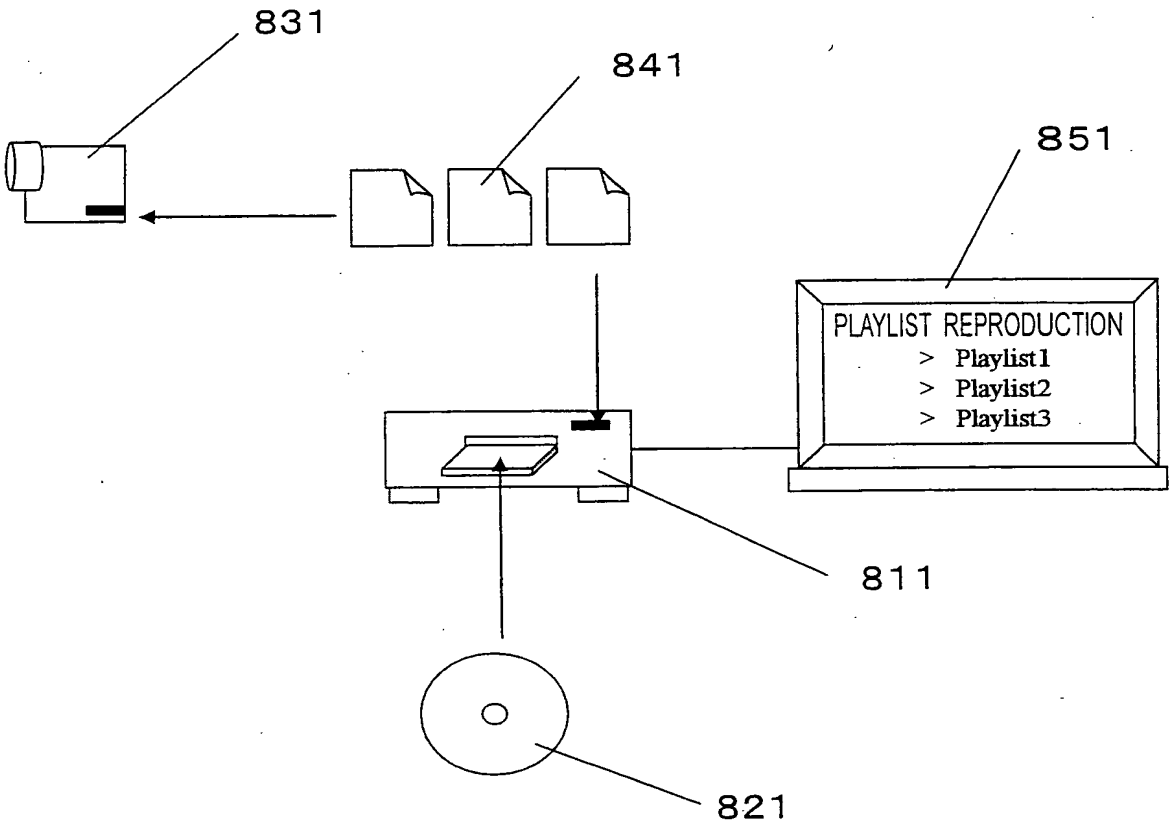
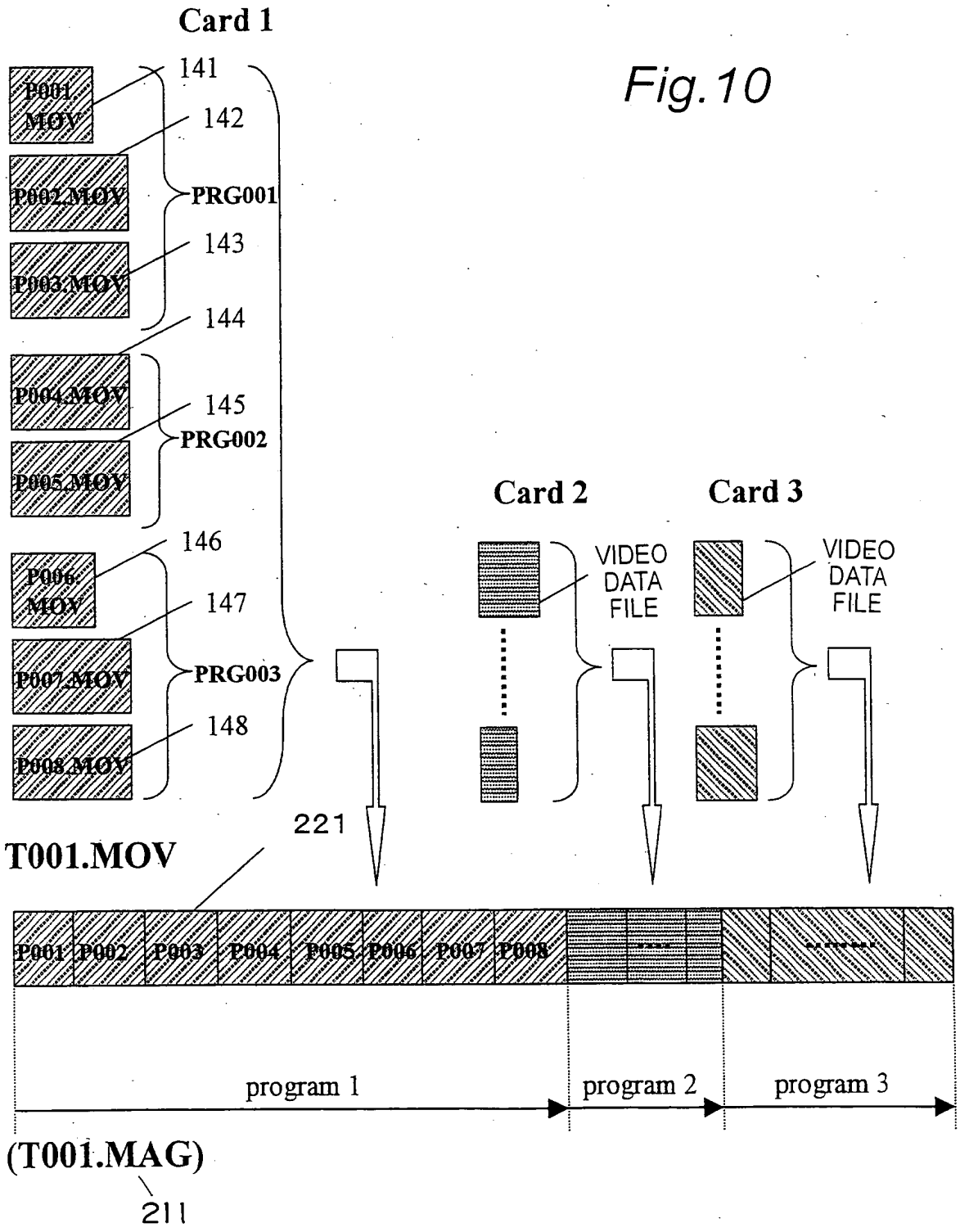

831
841
851
PLAYLIST REPRODUCTION
> Playlist1
> Playlist2
> Playlist3
811
821

Fig.9

	DATA ITEM	DATA	
0x0000	⋮		
	⋮		
	NUMBER OF PIECES OF REPRODUCTION CONTROL INFORMATION	3	
	STARTING ADDRESS OF REPRODUCTION CONTROL INFORMATION TABLE #1	0x1100	
	TITLE OF REPRODUCTION CONTROL INFORMATION TABLE #1	Disk No.1	911
	STARTING ADDRESS OF REPRODUCTION CONTROL INFORMATION TABLE #2	0x1160	
	TITLE OF REPRODUCTION CONTROL INFORMATION TABLE #2	Card No.1	912
	STARTING ADDRESS OF REPRODUCTION CONTROL INFORMATION TABLE #3	0x1200	
	TITLE OF REPRODUCTION CONTROL INFORMATION TABLE #3	Card No.2	913
0x1100	NUMBER OF PROGRAMS	3	
	NUMBER OF VIDEO SECTIONS	8	
	TEXT INFORMATION OF PROGRAM #1	PRG001	
	NUMBER OF VIDEO SECTIONS OF PROGRAM #1	3	
	TEXT INFORMATION OF PROGRAM #2	PRG002	
	NUMBER OF VIDEO SECTIONS OF PROGRAM #2	2	
	TEXT INFORMATION OF PROGRAM #3	PRG003	
	NUMBER OF VIDEO SECTIONS OF PROGRAM #3	3	411
	VIDEO DATA INFORMATION ADDRESS OF VIDEO SECTION #1	0x0300	
	REPRODUCTION STARTING TIME OF VIDEO SECTION #1	0:00:00	Playlist 1
	REPRODUCTION ENDING TIME OF VIDEO SECTION #1	0:02:40	
	VIDEO DATA INFORMATION ADDRESS OF VIDEO SECTION #2	0x0330	
	REPRODUCTION STARTING TIME OF VIDEO SECTION #2	0:00:00	
	REPRODUCTION ENDING TIME OF VIDEO SECTION #2	0:02:40	
	⋮		
	⋮		
	VIDEO DATA INFORMATION ADDRESS OF VIDEO SECTION #8	0x0450	
	REPRODUCTION STARTING TIME OF VIDEO SECTION #8	0:00:00	
	REPRODUCTION ENDING TIME OF VIDEO SECTION #8	0:03:20	
0x1160	NUMBER OF PROGRAMS	3	412
	NUMBER OF VIDEO SECTIONS	2	Playlist 2
	⋮		
	⋮		413
0x1200	NUMBER OF PROGRAMS	2	
	NUMBER OF VIDEO SECTIONS	3	Playlist 3
	⋮		
	⋮		

Fig.10


Card 1
141
142
143
144
145
146
147
148
P001.MOV
P002.MOV
P003.MOV
P004.MOV
P005.MOV
P006.MOV
P007.MOV
P008.MOV
PRG001
PRG002
PRG003
Card 2
Card 3
VIDEO DATA FILE
VIDEO DATA FILE
221
T001.MOV
P001
P002
P003
P004
P005
P006
P007
P008
program 1
program 2
program 3
(T001.MAG)
211